BACON ACADEMY
2024-2025 PROGRAM OF STUDIES
Changes and Deletions

COURSE ENROLLMENT POLICIES:

ADVANCED PROGRAMS FOR COLLEGE CREDITS

- The college credit option for the two courses below are not available to students this year based on teacher credentials.

Bacon Academy Course Name/Number	UCONN Course Name/Number
ECE English Literature and Composition (0175)	Seminar in Academic Writing and Multimodal Composition (ENGL 1007)
AP® Environmental Science (0470)	Environmental Science (NRE 1000)
Music Fundamentals (0872) or AP Music Theory (0858)(Pending Approval)	Fundamentals & Ear Training 1 (MUSI 1011)(Pending Approval)
~~Lifespan Development (0835)~~	~~Individual & Family Development (HDFS 1070)~~
Marine Science (0453)	Introduction to Oceanography (MARN1002E)

Bacon Academy Course Name/Number	TRCC Course Name/Number
~~The Preschooler (0843)~~	~~ECED 1001 Introduction to Early Childhood Care and Education~~
Pre-Engineering (0718)	CAD 2200 Parametric Design - Solidworks
Forensics (0446)	CJS 2850 Forensic Science with Lab ***C- or Higher in Grade 11 or 12 English pre-req***
Advanced Graphics (0739)	GRA 1501 Graphic Design 1
Architectural Engineering (0774)	ARCH 1005 Architectural Fundamentals
Introduction to Fitness (0954)	EXSC 1005 Introduction to Exercise Science ***Grade 11 or 12 English co-req***
Lifetime Fitness (0955)	SLM 1028 Lifetime Fitness
Manufacturing 2 (0726) (Those students enrolled in the Manufacturing Pipeline Program will receive additional credits in the listed courses)	MFG 1004 Manufacturing Processes Manufacturing Pipeline Program (EGR 1120 - Engineering Drawing Specs, MFG 1415 Safety in the Workplace, MFG 1453 BenchWork, MFG 1405 Manufacturing Math II *Passing grade on TRCC Manufacturing Evaluation required in order to earn college credit.*
Digital Photography (0778)	ART 1450 Digital Photography I

Family and Consumer Science:

- Addition of a prerequisite

(0833) MIDDLE CHILDHOOD
Level: 2
Credit: 0.5
Offering: Spring to grades 9-12
Prerequisite: None Early Childhood Development
Description: This course addresses the physical, social, emotional, moral and intellectual development of children from four to twelve. Typical and atypical development will be addressed. Topics covered include: learning styles, development of children ages 4-6, development of children ages 7-12, influences on development and special education laws. Students will analyze and evaluate information from multiple sources as they explore various exceptional children topics as well as analyze national and state special education laws and practices. Students will use problem-solving skills and gain experiential learning skills while working with students from various schools and students within the Colchester Public School district.

- Change in students' ability to enroll in the class to include grade 10 open to more students.
- Altering the language to reflect the teacher certification in relation to college credit opportunity
- Omitting the prerequisites of Middle Childhood to open the course to more students

(0843) THE PRESCHOOLER
Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP based on teacher certification)
Offering: Annually to grades 11-12 10-12
Prerequisite: Early Childhood (0832) or Middle Childhood (0833)
Description: Students interested in careers in teaching or working with children in any capacity would benefit from this course. The prerequisite for this course is Early Childhood Development and/or The Middle Child Development course. Students will be actively managing operating, observing, and teaching increating our own Beginner Bobcat Preschool Program, a part-time preschool offered to children in the town of Colchester. with preschool-aged children from Colchester. Students will read, analyze, and evaluate information from multiple sources to create, conduct, implement, and evaluate lessons for Beginner Bobcat preschool students that are aligned with Connecticut's Early Learning and Development Standards. Students will also create bulletin boards, storybooks, and other preschool based assignments. Second semester (January to June) students will be working entirely in our Beginner Bobcat Preschool hybrid preschool based program. Students will have one Head Teacher week where they are in charge of the implementation of their lesson plans for a major project grade. It will be required that students arrange to make formal observations at a daycare, preschool, or kindergarten setting. Students are required to complete College Level assignments from Three Rivers Community College as part of this course. Students will use problem-solving skills across the disciplines to analyze and explore various themes within Early Childhood Education. This course has a high expectation of community involvement, academic and behavior expectations within the school and greater Colchester community.

Technical Education

- Change in prerequisite, this course is not running at this time.

(0775) ENGINEERING 1
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisites: Pre-Engineering, or Architectural Engineering, or STEM Physics
The purpose of this class is to take the design skills you have learned in the previous two engineering classes and apply them to a real-world situation. The class will create community based or school based projects using the CNC router, laser cutter, 3D printers or CNC lathe. The outside project will change from year to year.

- We no longer offer Civics for credit advancement in the summer

CREDIT FOR ADVANCEMENT

Bacon Academy will be offering Summer School courses for advancement in Studio Art Portfolio Prep, and Civics. Summer School credit advancement courses will be included in a student's cumulative GPA.

Studio Art Portfolio Prep
The Studio Art Portfolio Prep course is a highly advanced preparatory course worth half a credit for the student planning to enroll in AP Studio Art, choose Art as a career path, or compiling a portfolio of work for presentation to a college or potential employer. Intensive drawing and painting assignments will be given where students will be expected to demonstrate a high level of achievement and independent and creative solutions. A sketchbook is required to include studies and writings, as well as documentation of art History discussions and field trips. *Prerequisite: Open only to students entering grade 12 who have taken all fundamental studio art courses, and teacher recommendation. The fee for this course is $400 and includes all required materials.*

Civics (online)
Civics Online is a Level 2 course for 0.5 credit. Heavy emphasis will be placed on the political process and government of the United States, stressing case studies and court decisions. This course is designed to introduce seniors and/or juniors who are transitioning into senior year to the political process, in which they will understand and demonstrate a positive role in the community, and develop the ability to cooperate in a diverse world. This course will be offered online for six weeks during the summer months. Students must have access to a computer and the internet. *The fee for this course is $350.*

CHANGES IN COURSES:

Technical Education

- Loss of college credit

(0455) SCIENCE AND ALTERNATIVE ENERGY TECHNOLOGY
Level: 2 (College credits earned through TRCC-CCP)
Credit: 1.0 Offering: Annually to grades 10-12
Prerequisites: Successful completion of Integrated Science, Energy Explorations or teacher recommendation.
The Science and Alternative Energy Technology course will focus on the importance of establishing and building sustainable alternative energy options. Students will discover how their decisions can impact the environment through education, career opportunities, and daily routines. This team-taught (Science & Tech Ed), hands-on course will explore technology and its impact on the environment, both positive and negative. Students will focus on energy efficiency through participation in various energy audits, and creation of projects. Students will develop projects that can be applied to the topics covered; alternative energy, recycling, water preservation and purification, transportation, waste 59 management, and environmental remediation.

World Language:

- The course name was changed from French Global Culture to Francophone Global Culture to be more encompassing of other countries that speak French.
- We are awaiting the course number from Uconn and will add that when it is received.

(0563) ADVANCED FRANCOPHONE GLOBAL CULTURE (Formerly known as ADVANCED FRENCH GLOBAL CULTURE)
Level: 4
Credit: 1.0 (college credit approved at Uconn and pending at Eastern)
Offering: biennially to students in grades 11 and 12
Prerequisite: Teacher Recommendation
This course is conducted in French and is designed for those students with a serious interest in French language, culture, literature and history. There will be a thorough review of French grammar and style with a focus on oral communication and the development and refinement of effective speaking techniques. This course will explore and analyze contemporary cultural and thematic units relating to everyday life.The goal for this advanced level of study is for students to read, write, speak and understand French at a level that permits them to use their skills successfully in a Francophone country.
Students may be able to choose to take this course for college credit as part of a dual enrollment program pending approval. the UCONN's Early College Experience (ECE) program. Students must receive a C or better in this course in order to be awarded 3 UCONN college credits. Please note that students electing to take this course for college credit will be required to present an in–depth *analyse de texte* at the end of the year.

(0564) **ADVANCED FRANCOPHONE LANGUAGE AND CIVILIZATION** (Formerly known as ADVANCED FRENCH LANGUAGE AND CIVILIZATION)
Level: 4
Credit: 1.0 (college credit approved at Uconn and pending at Eastern)
Offering: biennially to students in grades 11 and 12 (Not offered 2024-2025)
Prerequisite: Teacher Recommendation
This course is conducted in French and is designed for those students with a serious interest in French language, literature and culture. There will be a thorough review of French grammar and style with a focus on perfecting informal as well as formal written expression. This course will explore Francophone history and cultural traditions and will analyze Francophone culture and civilization through fiction, non-fiction, journalism and film. The goal for this advanced level of study is for students to read, write, speak and understand French at a level that permits them to use their skills successfully in a Francophone country. Students may be able choose to take this course for college credit as part of a dual enrollment program pending approval. The UCONN's Early College Experience (ECE) program. Students must receive a C or better in the course to be awarded 3 UCONN college credits. Please note that students electing to take this course for college credit will be required to write a five-page research paper.

NEW COURSES:

Art

(XXXX) ADVANCED DRAWING
Level: 3
Credit: 0.5
Offering: Fall, Spring to grades 9-12 (College credits may be earned through the Dual Enrollment program at ECSU).

Prerequisite: Successful completion of Drawing I
This course is designed for intermediate and advanced students, providing challenging experiences in the translation of three-dimensional forms onto a two-dimensional surface. In the first quarter, students will continue to improve and refine basic drawing skills learned in Drawing I, utilizing the Elements of Art, while developing a solid understanding of the Principles of Design. Emphasis will be placed on the process of drawing, recognizing spatial relationships and creating work that accurately depicts the subject. The study of composition and perspective will be further explored. Students will continue to build their confidence by applying the basic elements of design to create powerful compositions while experimenting with a variety of media, surfaces, and techniques. Additionally, through figure studies, students will have the opportunity to address the many challenges of depicting the human form using rapid gestures as well as sustained poses. The culmination of skills is assessed through a self-portrait. Students will be required to plan and create specific sketchbook pages for each assignment and additional research on artists and cultures beyond Level 2.

Math Department

- The two courses below are part of the next stage of implementation in the curricular shift.

( ) MATH 2 ACCELERATED
Level: 3
Credit: 1.0
Offering: Annually to grade 10
Prerequisite: Math 1
Prerequisite: Recommendation will be determined by teachers using a variety of student achievement data.
Math 2 is the next course in the curricular sequence following the completion of Math 1. Students will be challenged to engage in problem solving and to use a variety of mathematical methods and representations to solve problems involving systems of inequalities and quadratics, while building knowledge of the relationships among geometric elements. Students will be required to effectively analyze and evaluate information from a variety of sources using inductive and deductive reasoning, and to communicate clearly, concisely, and persuasively using correct geometric vocabulary and notation. The course will cover the topics of systems of inequalities, quadratic equations, triangle geometry, circles, probability, and an introduction to statistics. This course will go more in depth into topics and will include additional tasks in each unit of study.

( ) MATH 3S - Statistics
Level: 2
Credit: 1.0
Offering: Annually to grade 11
Prerequisite: Math 2
This course is a combination of advanced algebra, trigonometry and statistics, and is designed to provide the student with an understanding of advanced mathematics. Students will be required to utilize mathematical and scientific methods and concepts in the study of functions, solutions of higher degree equalities and inequalities, trigonometric functions, exponential and logarithmic functions, and statistical models to draw conclusions. Students will effectively analyze and evaluate information to solve problems, and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to questions and explaining work. Students will develop technological literacy through daily use of the graphing calculator and statistical tools.

- The course below will be offered in the following year as part of the accelerated math program and it will replace pre calculus.

Physical Education Department

(0956) SPORTS MEDICINE
Level 2
Credit: 0.5
Offering: Spring to Grades 11 and 12
Prerequisite: Lower and Upper PE
Course Description: Sports medicine will introduce students to the foundations of basic athletic training and other areas of treatment and rehab for athletic injuries. Topic will include basic taping, injury diagnosis, First Aid, CPR, and treatment options.Students will analyze common injuries and the treatment

associated with those injuries. This course will be co taught by a physical education teacher and an experienced athletic trainer.

DELETED FROM THE PROGRAM OF STUDIES:

Science:

- This course is no longer offered and all students with it on their transcript have graduated.

(0438) CHEMISTRY IN THE COMMUNITY
Level: 2
Credit: 1.0
Offering: Not offered in 2024-2025
Prerequisite: Successful completion Energy Explorations. Algebra 1 is required, Algebra 2 is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
Chemistry in the Community was developed by the American Chemical Society to introduce traditional high school chemistry topics which emphasize chemistry's impact on society. This level of chemistry prepares students for success on the Next Generation Science Standards (NGSS).With Chemistry in the Community, students evaluate data and make decisions based on observations in order to develop solutions to real-world problems. Topics include: Materials, Air, Water, Industry and Nuclear Interactions.

ADDITIONAL VERBIAGE ADDED TO THE PROGRAM OF STUDIES:

- The section below has been updated by omitting Norwich and broadening the language to include all tuition based students.

NORWICH TUITION STUDENTS

The following regulation outlines the application process for Norwich students seeking to attend Bacon Academy beyond, but not in conflict with, the steps outlined in the Agreement between Norwich and Colchester PublicSchools. All Norwich students are eligible to attend Bacon Academy. Any Norwich student who wishes to attend Bacon Academy as a tuition student should complete a lottery application in December of the year prior to enrollment.
Individuals selected through the lottery will be notified in January and commitment responses will be due by the end of January. Students who wish to enroll in Bacon Academy outside of the lottery process will be accepted on a rolling enrollment basis as long as spaces remain available. Norwich students expelled from Bacon Academy shall not be permitted to re-enroll.

TUITION STUDENTS

The following regulation outlines the application process for out of district students seeking to attend Bacon Academy beyond, but not in conflict with, the steps outlined in the Agreement with Colchester Public Schools and the sending district.

Any student who wishes to attend Bacon Academy as a tuition student should complete an application in December of the year prior to enrollment. Students who wish to enroll in Bacon Academy outside of the application process will be accepted on a rolling enrollment basis as long as spaces remain available. Tuition students expelled from Bacon Academy shall not be permitted to re-enroll.